

## Flametect "C" Flame Retardant for use on natural materials



Available in 3 sizes 750ml Trigger Spray, 5 & 25 litres & 1000l IBC.

A Clear Flame Retardant water-based solution that has been tested independently tested for use on natural materials.

High active solids: 30% compared to around 15% of our competitors' products. Which means greater yield and lower application rates to the treated material Resulting in less chance of shrinkage.

Easy to apply, and quick drying times. (5-6 hours).

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Treats: Cotton, Silk, Linen flax, Wool, Cardboard, untreated wood, hessian, and most other Natural materials that can absorb.

- Statement of performance with every order traceable to a UKAS accredited laboratory.
- Produced in an ISO 9001 Quality Assured environment to exacting standards Treats 8-15 sq. metres per litre. Dependent on material weight and type
- Water based flame retardant. No nasty solvents, VOC Free.
- Suitable for spray, roller or immersion application.
- Dry clean durable (up to 10 Cycles)
- Can achieve B.S.5867 Pt2 Type B

### Typical Applications:

- Curtains & drapes, including theatre stage & wing curtains (Including Synthetic Materials)
- Stage props, flat sets & scenery
- Chairs settees, stools, fixed upholstery & some bedding
- Papier Mache, Art projects & collages
- Lighting special effects for theatre & stores
- Tapestries & wall hangings
- Rugs & Carpets (Including Synthetic Carpets)
- Temporary fireproof barriers
- Hay & straw internal scenery for seating
- Artificial & dried natural flowers & foliage

### General information

**Test:** We recommend that a small sample is tested before application to main substrate, to check suitability and application rate. Dry and test with match or suitable flame. Correctly treated items should exhibit good flame retardancy with no smouldering or after glow.

**Concentration:** Flametect solutions are supplied ready for use.

## How to apply Flametect solutions

**Instructions:** Apply by spraying or dipping. Test samples first for suitability and level of treatment. Check appearance when dry and fire retardancy with a flame (we recommend that this is performed outdoors for safety). Normally solutions are used as supplied but in certain cases may need to be diluted.

**Spraying:** Use trigger spray, garden type pump up sprayer or airless spray. Spray uniformly from about 30-40cm on clean, dry material. One treatment may be sufficient but repeat after drying if required. Excess may cause some stiffening. Two light sprays are preferable to one heavy application. Adopt instructions for application to wood and paper products, boards, wall coverings and foam. Wash all equipment after use with clean water.

**Dipping:** Use plastic or stainless steel container. Ascertain concentration required by test. Soak clean material in solution until wet out (*1-2 minutes*). Wring out evenly, preferably through hand or power wringer leaving in about 75% of the original weight of fabric. Dry, avoiding excess localised heat, a cool iron may be used, do not dip velvet or pile materials.

**Dry:** In a warm ventilated atmosphere drying will be quicker, but be aware that drying too quickly can cause white marking on surface. A cool iron may be used.

**Treatment :** Will withstand dry cleaning solvents but needs re-application after washing or other exposure to water. It is long lasting in dry conditions.

**Flame Retardancy :** It is not possible to produce a non ignitable finish on all materials. The level varies, but the most effective treatments are on absorbent materials like cotton and other natural fibres; wood, straw, cardboard and paper products etc.

**Use Flametect Nitro** on Synthetic materials they are more difficult to treat with most plastics being extremely difficult to upgrade this way. Finishes like Scotchgard stain proofing present difficulties of penetration. The purpose is to obtain the best flame retardancy possible with the particular material applying the most suitable flame retardant this is to make the material more difficult to ignite, to slow any flame spread down to a minimum and prevent smouldering. In this way, in case of fire, it helps along with other measures to provide a time delay for people to evacuate the area safely.

**It is the responsibility of the end user to validate the product is fit for their application.**

**Health and Safety:** Refer to MSDS Safety Sheet before use.

**Notes: Performance:** Correctly treated items exhibit good flame retardancy with no smouldering or afterglow, but some items like synthetics which are non absorbent are more difficult to treat. The treatment is long lasting in dry conditions. It withstands dry cleaning but reapply after washing. Good fast colours are normally not affected. Protect mirrors, metals, decorative and polished surfaces. Wash with clean water.